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April 28, 2005

Mr. Jimmie Woo California Regional Water Quality Control Board Los Angeles Region 320 West 4<sup>th</sup> Street, Suite 200 Los Angeles, California 90013

Subject:

First Quarter 2005 Site Status Report 76 Service Station No. 250353 200 South Central Avenue Glendale, California LARWOCB Case No. 912040107

Dear Mr. Woo:

Delta Environmental Consultants, Inc. (Delta), on behalf of ConocoPhillips, is pleased to present this *First Quarter 2005 Site Status Report* for 76 Service Station No. 250353, located at 200 South Central Avenue, Glendale, California (the Site).

## **BACKGROUND**

In 1994, two 10,000-gallon gasoline underground storage tanks (USTs) and one 500-gallon waste-oil UST were removed from the Site and replaced with two 20,000-gallon gasoline USTs and one 550-gallon waste-oil UST. Analytical results for the soil samples collected during the abovementioned activities indicated the presence of total petroleum hydrocarbons as gasoline (TPHg) along the east end of the northernmost former 10,000-gallon gasoline UST and along the east end of the former northernmost dispenser island. The Glendale Fire Department-Environmental Management Center subsequently issued a "No Further Action" letter for the Site based on designation of the property as a "low risk" site (EP Associate, 2005).

The Site is a 76 Service Station that's currently fenced and not in operation. The City of Glendale acquired the abovementioned property from ConocoPhillips through condemnation proceedings. The Site property is planned for redevelopment with a mix of retail and residential uses through the City of Glendale Redevelopment Agency. To date, on the behalf of the City of Glendale, EP Associates have conducted the following environmental investigation activities.

In February 2004, at the request of the Glendale Redevelopment Agency, EP Associates conducted a subsurface soil investigation at the Site including the drilling and soil sampling of six soil borings (B1 through B6) in the vicinity of the two former 10,000-gallon USTs. The investigation also included the drilling and soil sampling of



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48 direct-push Geoprobe borings (GP1 through GP48) and the collection of a grab groundwater sample from Boring B1 where the highest petroleum hydrocarbon concentration in soil were detected. Analytical results for soil samples collected from borings B1 through B6 indicated detectable concentrations of TPHg, benzene, toluene, ethylbenzene, and total xylenes (BTEX), and methyl tertiary butyl ether (MTBE). Maximum TPHg and BTEX concentrations were detected in soil sample B1-55 feet at 24,300 milligrams per kilograms (mg/kg), 75.3 mg/kg benzene, 1,870 mg/kg toluene, 672 mg/kg ethylbenzene, 3,900 mg/kg total xylenes. Maximum MTBE concentrations were reported in soil sample B4-55 feet at 0.646 mg/kg (EP Associates, 2005). Eleven of the 48 Geoprobe boring indicated the presence of TPHg concentrations exceeding 1,000 mg/kg.

Analytical results for the groundwater sample collected from Boring B1 indicated the presence of detectable concentrations of TPHg at 895 micrograms per liter ( $\mu$ g/l), benzene at 0.6  $\mu$ g/l, toluene at 35.5  $\mu$ g/l, ethyl-benzene at 27.7  $\mu$ g/l, total xylenes at 232.3  $\mu$ g/l, and MTBE at 14.6  $\mu$ g/l.

In August 2004, EP Associates conducted a groundwater assessment at the Site including the installation of four on-site groundwater monitoring wells (MW-1 through MW-4) and one off-site groundwater monitoring well (MW-5). Analytical results of soil samples collected from the boreholes indicated the presence TPHg at concentrations greater than 500 mg/kg at depths of 40 to 50 feet below ground surface (bgs). Detectable MTBE concentrations were also found at depths of 84 to 100 feet bgs in the northwest portion of the Site near MW-3.

In December 2004, EP Associates conducted additional groundwater assessment including the drilling and installation of four groundwater monitoring wells (MW-6 through MW-9) at the Site. Analytical results of the soil samples collected from the four boreholes in the area of the capillary fringe did not indicate the presence TPH (C4-C40) or volatile organic compounds (VOC) and oxygenates at or above the laboratory detection limits.

## **PROGRESS THIS PERIOD**

In January 2005, EP Associates on behalf of the City of Glendale, conducted groundwater monitoring and sampling activities at the Site, and the first quarter monitoring and sampling report was submitted on January 24, 2005 under separate cover. According to the report, depth to groundwater was approximately 102.32 feet bgs. Groundwater gradient was 0.015 feet per foot with flow direction to the northwest. Analytical results of the groundwater samples collected from MW-1 through MW-4 reported TPHg concentrations ranging from 13 to 185  $\mu$ g/l. Detectable benzene concentrations were reported in MW-3 at 2.6  $\mu$ g/l. Detectable MTBE concentrations were detected in MW-2 at 14.9  $\mu$ g/l and MW-3 at 217  $\mu$ g/l.

ConocoPhillips coordinated its contractors to take over quarterly monitoring and sampling activities from the City of Glendale Redevelopment Agency. ConocoPhillips is currently trying to gain access to the property to perform gauging sampling activities by its own contractors.

## PLANNED PROGRESS NEXT PERIOD

Activities planned for the next quarter include:

• ConocoPhillips will continue to arrange for Site access in order to remove the USTs and sample monitoring wells MW-1 through MW-9.

The findings contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This report is based

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upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

If you have any questions regarding this report or need and additional information about this Site, please do not hesitate to contact Mr. Jay Badiei at (626) 256-6662 or Ms. Shari London of ConocoPhillips at (714) 428-7720.

Sincerely,

Cc:

## DELTA ENVIRONMENTAL CONSULTANTS, INC.

Jay Badiei, R.G. Senior Project Manager

Attachments: Site Location Map

Site Plan

Ms. Shari London, ConocoPhillips, Santa Ana, California (electronic copy only)

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Site Location Map 250353

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